### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Charles Taylor, et al.

Appl. No.: 10/809,923 Conf. No.: 6758

Filed: March 25, 2004

Title: AIR TREATMENT DEVICE HAVING A SENSOR (As Amended)

Art Unit: 2612

Examiner: Phung Nguyen Docket No.: 112440-784

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Sir:

Submitted herewith is an Information Disclosure Statement for consideration in the above-identified application. In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited on the enclosed PTO-1449 form be made during the course of examination of the above-identified application for United States patent. Pursuant to 37 C.F.R. 1.98, copies of any cited foreign patent documents and non-patent documents are enclosed.

#### This Information Disclosure Statement is submitted:

- [] Within three months of filing of a national application; within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application; before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a Request for Continued Examination.
- [X] After the period specified above, but before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by one of:
  - [X] Payment of the fee set forth in 37 CFR 1.17(p); or
  - [ ] The certification specified in 37 CFR 1.97(e) follows.
- [] After the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by the fee set forth in 37 CFR 1.17(p) and the certification specified in 37 CFR 1.97(e) follows.

- [] The undersigned counsel for applicant(s) hereby certifies each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.
- [] The undersigned counsel for applicant(s) hereby certifies that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.
- [] A copy of a Search Report from a corresponding foreign patent application is enclosed.
- [ ] A check in the amount of \$180 to cover the required fee is enclosed.
- [X] The Commissioner is hereby authorized to charge the amount of \$180 to cover the required fee to Deposit Account No. 02-1818.
- [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-1818.

Respectfully submitted,

BELL, BOYD & LLOYD LLP

BY

Renato L. Smith Reg. No. 45,177 Customer No. 29190

Dated: June 27, 2007

PTO Form 1449

Atty Docket No.	Application No.
112440-784	10/809,923
Applicant	Date Submitted
Charles Taylor, et al.	June 27, 2007
Filing Date	Group
March 25, 2004	2612

n			NT DOCUMENTS			DI D
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
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	1,882,949 A	10/18/1932	Ruder			
	2,129,783 A	09/13/1938	Penney	183	7	
	2,247,409	07/01/1941	Roper	176	1	
	2,590,447	03/25/1952	Nord et al.	128	393	
	2,978,066	04/04/1961	Nodolf	183	7	
	3,412,530	11/26/1968	Cardiff	55	126	
	3,540,191 A	11/17/1970	Herman	55	121	
	3,806,763	04/23/1974	Masuda	317	3	
	3,892,927	07/01/1975	Lindenberg	179	111R	
	3945813	03/23/1976	linoya et al.	55	108	
	3,958,960	05/25/1976	Bakke	55	118	
	3,958,961	05/25/1976	Bakke	55	118	
	3,958,962	05/25/1976	Hayashi	55	148	
	3,988,131	10/26/1976	Kanazawa et al.	55	126	
	4,007,024	02/08/77	Sallee et al.	55	126	
	4,056,372	11/01/1977	Hayashi	55	152	
	4,070,163	01/24/1978	Kolb et al.	55	11	
	4,074,983	02/21/1978	Bakke	55	118	
	4,097,252	06/27/1978	Kirchhoff et al.	55	135	
	4,102,654 A	07/25/1978	Pellin	55	102	
	4,104,042	08/01/1978	Brozenick	55	101	
	4,110,086	08/29/1978	Schwab et al.	55	7	
	4,119,415	10/10/1978	Hayashi et al.	55	124	
	4,126,434	11/21/1978	Keiichi	55	137	
	4,147522	04/03/1979	Gonas et al.	55	6	
	4,155,792	05/22/1979	Gelhaar et al.	156	172	
	4,171,975	10/23/1979	Kato et al.	96	100R	
	4,185,971	01/29/1980	Isahaya	55	113	
	4,189,308	02/19/1980	Feldman	55	13	
	4,205,969	06/03/1980	Matsumoto	55	131	
	4,218,225	08/19/1980	Kirchhoff et al.	55	112	

Examiner:

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO Form 1449

Atty Docket No.	Application No.
112440-784	10/809,923
Applicant	Date Submitted
Charles Taylor, et al.	June 27, 2007
Filing Date	Group
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			NT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,225,323	09/30/1980	Zarchy et al.	55	11	
	4,251,234	02/17/1981	Chang	55	2	
	4,259,093	03/31/1981	Vlastos et al.	55	137	
	4,259,707	03/31/1981	Penney	361	212	
	4,264,343	04/28/1981	Natarajan et al.	55	126	
	4,289,504	09/15/1981	Scholes	55	11	
	4,293,319	10/06/1981	Claassen, Jr.	55	122	
	4,308,036	12/29/1981	Zahedi et al.	55	6	
	4,315,188	02/09/1982	Cerny et al.	313	269	
	4,338,560	07/06/1982	Lemley	322	2A	
	4,349,359	09/14/1982	Fitch et al.	55	151	
	4,351,648	09/28/1982	Penney	55	137	
	4,354,861	10/19/1982	Kalt	55	130	
	4,362,632	12/07/1982	Jacob	422	183.0	4
	4,363,072	12/07/1982	Coggins	361	231	
	4,366,525	12/28/1982	Baumgartner	361	231	
	4,369,776	01/25/1983	Roberts	128	200.1	4
	4,375,364	03/01/1983	Van Hoesen et al.	55	152	
	4,380,900	04/26/1983	Linder et al.	60	275	
	4,391,614	07/05/1983	Rozmus	55	2	
	4,394,239	07/19/1983	Kitzelmann et al.	204	414	
	4,405,342	09/20/1983	Bergman	55	6	
	4,406,671	09/27/1983	Rozmus	55	2	
	4,412,850	11/01/1983	Kurata et al.	55	130	
	4,414,603	11/08/1983	Masuda	361	227	
	4,435,190	03/06/1984	Taillet et al.	55	5	
	4,440,552	04/03/1984	Uchiya et al.	55	114	
	4,443,234	04/17/1984	Carlsson	55	126	
	4,477,268	10/16/1984	Kalt	55	155	
	4,481,017	11/06/1984	Furlong	55	12	
	4,505,724	03/19/1985	Baab	55	118	
	4,514,780	04/30/1985	Brussee et al.	361	226	

Examiner:		

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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			NT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,515,982	05/07/1985	Lechtken et al.	560	125	
	4,521,229	06/04/1985	Baker et al.	55	137	
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	4,534,776	08/13/1985	Mammel et al.	55	136	
	4,544,382	10/01/1985	Taillet et al.	55	107	
	4,555,252	11/26/1985	Eckstein	55	132	
	4,569,684	02/11/1986	Ibbott	55	138	
	4,582,961	04/15/1986	Frederiksen	179	111R	
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	4,590,042	05/20/1986	Drage	422	186.06	
	4,597,780	07/01/1986	Reif	55	119	
	4,597,781	07/01/1986	Spector	55	126	
	4,604,174	08/05/1986	Bollinger et al.	204	151	
	4,614,573	09/30/1986	Masuda	204	176	
	4,623,365	11/18/1986	Bergman	55	131	
	4,632,135	12/30/1986	Lenting et al.	132	85	
	4,632,746	12/30/1986	Bergman	204	415	
	4,636,981	01/13/1987	Ogura	365	203	
	4,643,744	02/17/1987	Brooks	55	107	
	4,647,836	03/03/1987	Olsen	322	2A	
	4,650,648	03/17/1987	Beer et al.	422	186.0	
	4,656,010	04/07/1987	Leitzke et al.	422	186.1	
	4,657,738	04/14/1987	Kanter et al.	422	186.0	4
	4,662,903	05/05/1987	Yanagawa	55	126	
	4,666,474	05/19/1987	Cook	55	137	
	4,668,479	05/26/1987	Manabe et al.	422	186.0	5
	4,670,026	06/02/1987	Hoenig	55	11	
	4,673,416	06/16/1987	Sakakibara et al.	55	137	
	4,680,496	07/14/1987	Letournel et al.	310	308	
	4,692,174	09/08/1987	Gelfand et al.	55	129	
	4,691,829	09/08/1987	Auer	209	3.1	
	4,693,869	09/15/1987	Pfaff	422	186.0	4

Examiner:		Date Considered:

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# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)
PTO Form 1449

Atty Docket No. 112440-784 Application No. 10/809,923
Applicant Charles Taylor, et al. Filing Date Group
Group
Group

2612

March 25, 2004

Examiner's	Document	Publication	NT DOCUMENTS	Т	1	Filing Date
Initials	Number	Date	Inventor	Class	Subclass	If Appropriate
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	4,713,092	12/15/1987	Kikuchi et al.	55	130	
	4,715,870	12/29/1987	Masuda et al.	55	132	
	4,725,289	02/16/1988	Quintilian	55	2	
	4,736,127	04/05/1988	Jacobsen	310	308	
	4,743,275	05/10/1988	Flanagan	55	2	
	4,749,390	06/07/1988	Burnett et al.	55	316	
	4,750,921	06/14/1988	Sugita et al.	55	132	
	4,760,302	07/26/1988	Jacobsen	310	308	
	4,760,303	07/26/1988	Miyake	310	308	
	4,765,802	08/23/1988	Gombos et al.	55	2	
	4,771,361	09/13/1988	Varga	361	132	
	4,822,381	04/18/1989	Mosley et al.	55	2	
	4,853,005	08/01/1989	Jaisinghani et al.	55	132	
	4,869,736	09/26/1989	Ivester et al.	55	156	
	4,892,713	01/09/1990	Newman	422	186.0	7
	4,929,139	05/29/1990	Vorreiter et al.	414	217	
	4,940,894	07/10/1990	Morters	250	324	
	4,941,224	07/17/1990	Saeki et al.	15	1.5R	
	4,944,778	07/31/1990	Yanagawa	55	131	
	4,954,320	09/04/1990	Birmingham et al.	422	186.04	1
	4,955,991 A	09/11/1990	Torok et al.	55	120	
	4,967,119 A	10/10/1990	Torok et al.	315	111.91	
	4,966,666	10/30/1990	Waltonen	204	164	
	4,976,752 A	12/11/1990	Torok et al.	55	117	
	4,978,372	12/18/1990	Pick	55	132	
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	5,003,774	04/02/1991	Leonard	60	275	
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	5,012,093 A	04/30/1991	Shimizu	250	324	
	5,012,094	04/30/1991	Hamade	250	324	
	5,012,159 A	04/30/1991	Torok et al.	315	111.9	1

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<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)
PTO Form 1449

			NT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
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	5,030,254	07/09/1991	Heyen et al.	55	151	
	5,043,033 A	07/23/1991	Alsup et al.	156	71	
	5,037,456	08/06/1991	Yu	55	137	
	5,045,095	09/03/1991	You	55	139	
	5,053,912 A	10/01/1991	Loreth et al.	361	230	
	5,059,219	10/22/1991	Plaks et al.	55	138	
	5,061,462	10/29/1991	Suzuki	422	186.0	4
	5,066,313	11/19/1991	Mallory, Sr.	55	2	
	5,072,746	12/17/1991	Kantor	132	219	
	5,077,500 A	12/31/1991	Torok et al.	315	111.	91
	5,077,468	12/31/1991	Hamade	250	324	
	5,076,820	12/31/1991	Gurvitz	55	150	
	5,100,440	03/31/1992	Stahel et al.	55	182	
	D326,514	05/26/1992	Alsup et al.	D23	364	
	5,118,942	06/02/1992	Hamade	250	324	
	5,125,936	06/30/1992	Johansson	55	152	
	5,136,461	08/04/1992	Zellweger	361	231	
	5,137,546	08/11/1992	Steinbacher et al.	55	10	
	5,141,715	08/25/1992	Sackinger et al.	422	186.04	
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	5,147,429	09/15/1992	Bartholomew et al.	55	356	
	5,154,733	10/13/1992	Fujii et al.	55	2	
	5,158,580	10/27/1992	Chang	55	6	
	D332,655 S	01/19/1993	Lytle et al.	D23	378	
	5,180,404 A	01/19/1993	Loreth et al.	55	117	
	5,198,003	03/30/1993	Haynes	55	138	
	5,199,257	04/06/1993	Colletta et al.	60	275	
	5,210,678	05/11/1993	Lain et al.	361	226	
	5,217,511	06/08/1993	Plaks et al.	55	124	
	5,234,555	08/10/1993	Ibbott	204	150	
	5.250.267	10/05/1993	Johnson et al.	422	168	

Exa	

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IN AN APPLICATION (Use several sheets if necessary)

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Atty Docket No. 112440-784 Application No. 10/809,923
Applicant Charles Taylor, et al. Piling Date Group

2612

March 25, 2004

	- T		NT DOCUMENTS			Filing Date
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	If Appropriate
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	5,266,004 A	11/30/1993	Tsumurai et al.	416	100	
	5,271,763	12/21/1993	Jang	96	55	
	5,282,891	02/01/1994	Durham	96	75	
	5,290,343 A	03/01/1994	Morita et al.	96	39	
	5,308,586	05/03/1994	Fritsche et al.	422	147	
	5,330,559	07/19/1994	Cheney et al.	95	63	
	5,348,571	09/20/1994	Weber	96	68	
	5,376,168	12/27/1994	Inculet	96	54	
	5,386,839 A	02/07/1995	Chen	132	152	
	5,395,430	03/07/1995	Lundgren et al.	96	83	
	5,401,301	03/28/1995	Schulmerich et al.	96	7	
	5,401,302	03/28/1995	Schulmerich et al.	96	71	
	5,403,383	04/04/1995	Jaisinghani	96	69	
	5,405,434	04/11/1995	Inculet	96	54	
	5,407,639	04/18/1995	Watanabe et al.	422	186.0	7
	5,407,469	04/18/1995	Sun	96	62	
	5,417,936	05/23/1995	Suzuki et al.	422	186.0	7
	5,419,953	05/30/1995	Chapman	428	284	
	5,433,772	07/18/1995	Sikora	96	87	
	5,435,817 A	07/25/1995	Davis et al.	55	337	
	5,435,978	07/25/1995	Yokomi	422	186.0	
	5,437,843	08/01/1995	Kuan	422	186.0	1
	5,445,798	08/29/1995	Ikeda et al.	422	121	
	5,466,279	11/14/1995	Hattori et al.	96	69	
	5,468,454	11/21/1995	Kim	422	121	
	5,474,599	12/12/1995	Cheney et al.	96	55	
	5,484,473	01/16/1996	Bontempi	96	65	
	5,492,678	02/20/1996	Ota et al.	422	174	
	5,501,844	03/26/1996	Kasting, Jr. et al.	422	186.1	
	5,503,808	04/02/1996	Garbutt et al.	422	186.08	
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PTO Form 1449

| Atty Docket No. | 112440-784 | Application No. | 112440-784 | I0/809,923 | Applicant | Charles Taylor, et al. | June 27, 2007 | Filing Date | March 25, 2004 | 2612 | 2612 | Application No. | 10/809,923 | Date Submitted | June 27, 2007 | Group | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 | 2612 |

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Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
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	5,508,008	04/16/1996	Wasser	422	186.0	7
	5,514,345	05/07/1996	Garbutt et al.	422	124	
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	5,518,531	05/21/1996	Joannu	96	55	
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	5,532,798 A	07/02/1996	Nakagami et al.	355	221	
	5,536,477	07/16/1996	Cha et al.	422	171	
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	5,540,761	07/30/1996	Yamamoto	96	67	
	5,542,967	08/06/1996	Ponizovsky et al.	375	364	
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	5,569,437	10/29/1996	Stiehl et al.	422	186.0	7
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	5,591,253	01/07/1997	Altman et al.	96	61	
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Examine

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO Form 1449

Atty Docket No. 112440-784 Application No. 112440-784 10/809,923

Applicant Charles Taylor, et al. June 27, 2007

Filing Date March 25, 2004 2612

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PTO Form 1449

| Atty Docket No. | Application No. | 112440-784 | Applicant | Dickeop.923 | Applicant | Charles Taylor, et al. | Group | March 25, 2004 | 2612 |

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PTO Form 1449

Atty Docket No.

112440-784

Applicant
Charles Taylor, et al.

Application No.
10/809,923

Date Submitted
June 27, 2007

Group

2612

Filing Date

March 25, 2004

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.N./

Examiner: /Phung Nguyen/ Date Considered: 03/04/2008

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